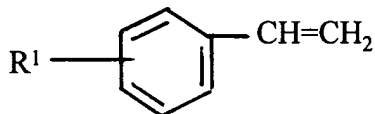


AMENDMENTS TO THE CLAIMS

In the claims:

Please amend claims 1 and 6 as indicated below.

1. (Currently Amended) A resin composition comprising the reaction product of: (1) about 5% to less than about 25 15% by weight a compound of the formula:



I

wherein R¹ is H, C₁₋₁₀ linear or branched aliphatic or aromatic, OH or OR, wherein R is alkyl or acyl; and (2) about ~~75~~ 85% to about 95% by weight based on the total monomer content of a cyclic diolefin component comprising at least about 50% by weight dicyclopentadiene, wherein the reaction product has a M_z of less than about 2,000.

2. (Withdrawn) The resin composition of claim 1, which is at least partially hydrogenated.

3. (Withdrawn) The resin composition of claim 2, wherein hydrogenation of the olefin is about 95% or greater and hydrogenation of the aromatics is up to about 20%.

4. (Original) The resin composition of claim 1, wherein the aromatic is styrene or methyl styrene.

5. (Original) The resin composition of claim 1, having a ring and ball softening point of about 80° to about 140°C.

6. (Currently Amended) The resin composition of claim 1, wherein the M_z is less than about ~~1,500 daltons~~ 1,200.

7. (Withdrawn) A process for producing an aromatic-modified DCPD resin having an M_z of less than about 2,000 comprising the steps of (i) providing solvent or unconverted reactives to a reactor; (ii) heating said solvent or unconverted reactives to a temperature of about 200° to about 265° C.; and (iii) adding a monomer mixture

comprising about 5 to about 25% by weight styrene in combination with about 75 to about 95% DCPD monomer, at a rate to consume styrene monomer at the rate at which it is added such that the concentration of free styrene monomers in the reaction medium is held at a minimum at any given time of the reaction to minimize the formation of homopolystyrene.

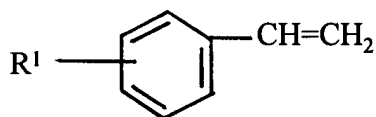
8. (Withdrawn) The process of claim 7 further comprising a step of hydrogenating said resin.

9. (Withdrawn) The process of claim 8 wherein the hydrogenation catalyst is chosen to decolorize while minimizing the hydrogenation of the aromatics.

10. (Withdrawn) The process of claim 9 wherein said catalyst chosen is copper/zinc or copper chromite.

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~~Please add new claims 11-18.~~

11. (New) A resin composition comprising the reaction product of: (1) about 5% to about 25% by weight a compound of the formula:



I

wherein R¹ is H, C₁₋₁₀ linear or branched aliphatic or aromatic, OH or OR, wherein R is alkyl or acyl; and (2) about 75% to about 95% by weight based on the total monomer content of a cyclic diolefin component comprising at least about 50% by weight dicyclopentadiene, wherein the reaction product has a Mz of less than about 2,000 made by the process comprising the steps of (i) providing a solvent to a reactor; (ii) heating said solvent to a temperature of about 200° to about 265° C; and (iii) adding a monomer mixture comprising about 5 to about 25% by weight of the compound of formula I in combination with about 75 to about 95% dicyclopentadiene monomer, at a rate to consume the compound of formula I monomer at the rate at which it is added.

12. (New) The resin composition of claim 11 wherein said resin composition of formula I is selected from the group consisting of styrene, α -methylstyrene, 4-methylstyrene, and mixtures thereof.
13. (New) The resin composition of claim 11 wherein said resin composition is styrene.
14. (New) The resin composition of claim 12 wherein the monomer mixture step (iii) comprises adding about 5 to about 15% by weight of the compound of formula I in combination with about 75 to about 95% dicyclopentadiene monomer.
15. (New) The resin composition of claim 14 wherein the monomer compound of formula I is styrene.
16. (New) The resin composition of claim 11 further comprising (iv) recovering at least a portion of the solvent and unconverted reactants selected from the group consisting of a compound of formula I and monomer content of a cyclic diolefin and recovered solvent and (v) adding the recovered solvent and unconverted reactants to the solvent of step (i).
17. (New) The resin composition of claim 16 wherein the amount of monomer mixture added in step (iii) is sufficient to bring the level of monomer of formula I and dicyclopentadiene monomer to a predetermined level in the reaction product.
18. (New) The resin composition of claim 17 wherein said monomer of formula I is styrene.
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